

Serial No. 08/866,345
Group Art Unit: 3725
Examiner: G. Shepherd

a spindle[, being] in the form of a polyangular rod and having a baffle piece at a bottom thereof;

b a grinding device, comprising a conical grinding disk and a circular, stepped grinding base, said grinding disk having an angular hole at a center thereof for passage of said spindle therethrough to [achieve linking-up] transmit movement, said angular hole having a plurality of inclined, radial disk wings extending integrally from a periphery [thereof] of a wall defining the angular hole, [with] a multiplicity of obliquely extending disk teeth interdisposed among said disk wings; said grinding base having a base rim at a lower portion thereof and a grinding cylinder at an upper portion thereof for insertion into said seat hole, said grinding cylinder having a plurality of oblique grinding teeth at an inner surrounding wall thereof, said spindle being passed through said grinding cylinder for rotation ^{off} [to bring] said grinding disk [to rotate so as to grind] and grinding a spice disposed between said disk wings and said grinding teeth into pieces, the pieces being further ground by said disk teeth and said grinding teeth into a spice powder having a particle size smaller than a clearance between said disk teeth and said grinding teeth so that the spice powder may drop out therefrom;

A an adjusting device[,] comprising an annular base disk with [two] a pair of wings, each wing extending from [either] an opposite side of said base disk, said [two] wings extending to a disk post at a center of said base disk, said disk post having a disk hole and two wing slots, a disk packing having two side wings being disposed in said disk hole, with said two side wings located in said wing slots, a screw rod of a knob being passed through said disk hole of said disk post to lock with a packing piece, [thereby] whereby when said knob is turned said disk packing may displace upwardly and downwardly and further cause said spindle connected with said disk packing [may] to also displace upwardly and downwardly [as well,] for adjusting the clearance between said disk teeth and said grinding teeth, a plurality of screws being passed through said base disk to lock said grinding base to a bottom of said partition seat; and

a driving device[,] having an angular hole [fittingly] connected with said spindle.

16

Serial No. 08/866,345
Group Art Unit: 3725
Examiner: G. Shepherd

2. (Amended) [An improved] The grinder as claimed in Claim 1, wherein said grinding disk and said grinding base are [preferably] made of ceramic material [ceramics].

3. (Amended) [An improved] The grinder as claimed in Claim 1, wherein said driving device comprises an upper cover and a rotary seat, said upper cover having an internal diameter corresponding to said housing ring and having an insert hole at the center of an inner wall thereof for coupling with an insert post of said rotary seat, said rotary seat having a connecting post at a bottom end thereof [with] of a size matching said housing hole and an angular hole disposed below said connecting post for receiving said spindle, an outer side of said connecting post being provided with at least two [or more] resilient connecting projections, each projection having a hook portion for engaging an inner wall of said housing hole [so that] for manually rotating said upper cover on said housing ring [may be manually rotated].

4. (Amended) [An improved] The grinder as claimed in Claim 1, wherein said driving device is comprised of [pertinent] circuit means connected to a battery means, a motor means [and], a power device of a speed change device, and a shell, and wherein said housing has at least two [or more] retaining grooves provided at [the] an inner wall of said housing hole and at least two [or more] guide grooves disposed at a periphery of said housing ring so that a plurality of posts of a mounting column at a bottom side of said power device may be rotatably inserted into said retaining grooves, [such that] and an angular hole in said power device may couple with said spindle, a switch button being further disposed at a top side of said power device, said shell having a size slightly greater than that of said power device, and being provided with at least two [or more] retaining lugs at an inner surrounding wall thereof for insertion into said guide grooves, said shell being further provided with a through hole at a position corresponding to that of said switch button so that the latter may project therefrom, [thereby] whereby said switch button may be pressed to start rotation of said spindle to proceed with the grinding operation.

Serial No. 08/866,345
Group Art Unit: 3725
Examiner: G. Shepherd

5. (Amended) [An improved] The grinder as claimed in Claim 4, wherein a lighting device is further provided at one side of said adjusting device, and a circuit device is disposed on said ring of said housing, said circuit device comprising two electrically conductive rods extending from the bottom side of said power device, and said ring being provided with corresponding connecting holes, a plurality of electrically conductive screws being locked in said connecting holes so that a plurality of lead wires in said connecting holes may extend downwardly to pass through said partition seat, said lighting device comprising a curved light base having a partition plate disposed at a center thereof, an electrically conductive terminal being disposed at either side of said light base for pivotal connection with [the] a corresponding lead wire [133] of said circuit device, [two] a pair of projecting plates with retaining grooves respectively extending from a bottom side of said light base for receiving a light bulb, such that two connecting poles of said light bulb may pass through said light base to connect with the corresponding electrically conductive terminals, [thereby] whereby said switch button may be pressed to light up said light bulb.

REMARKS

The original title has been canceled and substituted by a new title believed to be more appropriately descriptive of the invention. The original Abstract has been substantially amended to place same more in accordance with U.S. practice requirements.

The specification has been carefully reviewed and amended to correct informalities and provide a more complete and accurate description of the invention. All of the amendments are fully supported by the original disclosure of this application and therefore do not constitute the introduction of any new matter into this case.